

# KL-500 FUSION SPLICER



## Specifications

<b>Applicable fibers</b>	SM MM DS NZDS	<b>Fiber cleaved length</b>	8-16mm (Coating diameter:250µm)
<b>Fiber diameter</b>	Cladding diameter:80-150µm;Coating diameter:100-1000µm	<b>Fiber count</b>	Single
<b>Fiber aligning method</b>	Meticulous、Core、Clad、Manual	<b>Return loss</b>	>60dB
<b>Actual average splice loss</b>	0.02dB(SM),0.01dB(MM),0.04dB(DS),0.04dB(NZDS)	<b>Splicing mode</b>	Auto Calibrate Normal Special
<b>Typical splicing time</b>	Typical 9 sec (standard SM fiber)	<b>Splicing program</b>	53 (templet), 40(user)
<b>Tube typical heating time</b>	Typical 30 sec	<b>Protection sleeve length</b>	60mm, 40mm
<b>Storage of splice result</b>	4000 results, 20 parameter per result	<b>Tube heating program</b>	9 (templet),24(user)
<b>Fiber image magnification</b>	200X (X or Y view), 50X (X and Y view)	<b>Tension test</b>	2N
<b>Battery capacity</b>	Typical 300 cycles (splice/tube heat with inner Li-battery)	<b>Electrode life</b>	2500
<b>Monitor</b>	3.5 inch TFT color LCD monitor	<b>Terminal</b>	USB
<b>Power supply</b>	AC 100-240V with AC adapter inner Li-battery (5200mAh)	<b>Operating condition</b>	0-5000m above sea level, -10-50°C Max wind velocity of 15m/s
<b>Dimension</b>	125mm(L)×105mm(W)×113mm(H)	<b>Weight</b>	1.55Kg including battery

## Function Comparison of Jilong Fusion Splicer

Function	KL-280G	KL-280	KL-300T	KL-500
Display fiber cleaved angle	—	—	●	●
Display fiber offset angle	—	—	●	●
Display core offset	—	—	●	●
Display clad offset	—	—	●	●
Splicing mode (Auto, Calibrate, Normal, Special)	●	—	●	●
Fiber aligning method (Core, Clad, Manual)	●	—	●	●
Arc strength automatic adjustment	●	—	●	●
Image turn over	—	●	●	●
Fiber angle limit	—	—	●	●
Display inside temperature	—	—	●	●
Display ambient temperature	—	—	●	●
Display heater temperature	—	—	●	●
Display air pressure	—	—	●	●
Display battery voltage	—	—	●	●
Taper splice	—	—	●	●
Sleep	—	—	●	●
Auto shut down	—	—	●	●
Software upgrade via USB interface	●	—	●	●

## Standard configuration



Fiber Cleaver

Fiber Stripper

Case

Cooling Tray

Fixture

Spare Electrodes

Cleaning Tools

Power Module

P.S. Cord

Manual